IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Daniel C. Guterman et al.

Title:

Novel Multi-State Memory

Application No.:

Unassigned

Filing Date:

Herewith

Examiner:

Unassigned

Group Art Unit:

Unassigned

Docket No.:

SNDK.138USM

Conf. No.:

Unassigned

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant(s) call(s) the documents listed on the enclosed Form PTO-1449 to the Examiner's attention in this patent application.

- Copies of the documents listed on the accompanying Form PTO-1449 are enclosed.
- Copies of the documents listed on the accompanying Form PTO-1449 that are not enclosed were previously submitted in Application No. 10/013,592, from which this Application claims an earlier effective filing date.
- This application has a filing date after June 30, 2003. Copies of the U.S. Patent(s) and U.S. Published Patent Application(s) documents listed on the accompanying Form PTO-1449 are not enclosed.

Citation of these documents shall not be construed as (1) an admission that the documents are prior art with respect to the invention or inventions claimed in this application, (2) a representation that a search has been made (other than as indicated by any cited document), or

Attorney Docket No.: SNDK.138USM Express Mail No.: EV 437668010 US

(3) an admission that the cited information is, or is considered to be, material to patentability as defined in § 1.56(b).

This information disclosure statement is submitted under 37 C.F.R. § 1.97(b) and consequently no fee should be required. The Commissioner is authorized, however, to charge any fee that may be required, or to credit any overpayment, against Deposit Account No. 502664. This form is being submitted in duplicate.

EXPRESS MAIL LABEL NO:

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Respectfully submitted,

Gerald P. Parsons

Date

Reg. No. 24,486

PARSONS HSUE & DE RUNTZ LLP 655 Montgomery Street, Suite 1800 San Francisco, CA 94111 (415) 318-1160 (415) 693-0194 (fax)

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INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

SERIAL NO. 09/437,078

APPLICANT

Daniel L. Auclair et al.

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	1	Re. 32,401	4/1987`	Beilstein, Jr. et a	al.				- Срадии
	2	4,074,304	2/1978	Shiba					
	3.	4,151,020	4/1979	McElroy				:	• • • • • • • • • • • • • • • • • • • •
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	5	4,184,207	1/1980	McElroy				1: .	 ,
	6	4,202,044	5/1980	Beilstein, Jr. et a	1.				-
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•	10	4,380,057	4/1983	Kotecha et al.					
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			Foreign	Patent Documents	:				
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		Document	Date	Country		Class	Subclass	Yes	No
·	12	0373830	6/1990	EP					Х
	13	0725403A1	8/1996	EP				Х	
	14	6-1181168	8/1986	Japan					X
<u> </u>	15	. 1-304784	12/1989	Japan	•				Х
<u> </u>	16	2-360	1/1990	Japan					X
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	17 .	K. Naruke et al., ". IEDM 89-603, IEI	A New Flash-Era EE (1989), pp. 60	ise EEPROM Cell v 3-606.	with A S	idewall Sel	ect-Gate On It	s Source S	Side",
·	18	M. Kamiya et al., '741-744.	EPROM Cell wi	th High Gate Inject	ion Effic	ciency", IE	DM 82-741, II	EEE (1982), p.
	19	J. Van Houdt, et al Split-Gate Structur	., "A 5-Volt-Only e", Interuniversit	y Fast-Programmab y Microelectronics	le Flash Center (EEPROM Feb. 1991)	Cell with A Do	ouble Poly	silicon
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			U.S.	Patent Documents					
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	37.	4,805,142	2/1989	Bertin et al.					
·	38 -	4,811,285	3/1989	Walker et al.					· - ·
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	40	4,821,236	4/1989	Hayashi et al.	·				
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	42	4,943,962	7/1990	Imamiya et al.				ļ	
	43	4,990,979	2/1991	Otto :-				-	
	44	4,997,781	3/1991	Tigelaar					
٠,	45	5,011,787	4/1991	Jeuch					
	46	5,017,515	5/1991	Gill					
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ŀ	47	Mike McConnell, et vol. 26, No. 4, pp. 4	al., "An Experi 84-489.	mental 4-Mb Flash	EEPRO	M with Sec	tor Erase", IE	EE (Apr.	1991),
	48	Masaki Momodomi, (Apr. 1991), vol. 26	et al., "A-4-Mb , No. 4, pp. 492-	Flash EEPROM w 495.	ith Tigh	t Programn	ned V.sub.t Di	stribution'	", IEEE
	49	Fujio Masuoka, et al (Aug. 1987)	., "A 256-kbit Fl	lash E.sup.2 PROM	Using 7	Triple-Poly	silicon Techno	ology", IE	EE
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	88	5,708,285	1/1998	Otani et al.		·		1	
	89 .	5,712,180	1/1998	Guterman et al.		·		 	<u> </u>
	90	5,740,107	4/1998	Lee					
	91 .	5,745,475	4/1998	Ohno et al.			· · · · · · · · · · · · · · · · · · ·	 	
	92	5,768,287	6/1998	Norman et al.					
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	97 .	5,956,742	9/1999	Fandrich et al.					
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_	_ A	5,270,551	12/14/93	Ka	amimura et a		250	515.1	02	2/13/91
<u> </u>	В	4,962,322	10/09/90		Chapman		327	· 581		
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<u></u>	E.	4,612,630	09/16/86		Rosier		365	201		
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DANIEL L. AUCLAIR et al.

SERIAL NO. 09/113,800

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. 07	A3	4	4	6	0	9	8	2		1984	Gee et al.	365	185.8	
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07	A6	4	7	6	3	3	0	5		1988	Kuo	365€	185.2	Ť
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OT	A8	4	7	9	9	1	9	5		1989	Iwahashi et al.	365	185.2	
97	A9	4	8	0	9	2	3	1		1989	Shannon et al.	365 8	201	
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DANIEL L. AUCLAIR et al.

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· DT	A20	5	3	2	1	6	5	5		1994	Iwahashi et al.	365	185.20	
DT	A21	.5	3	3	5	1	9	8		1994	Van Buskirk et al.	3685	185.3	
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APPLICANT

Hock C. So and Sau C. Wong

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